

CLAIMS

1. A stamped rivet for connecting metal sheets to one another, comprising a shaft, several circumferential ribs provided one above the other on said shaft, and a shaft end for pressing through the metal sheets to be connected to one another, with at least all of the circumferential ribs engaging the metal sheets having an outside diameter that is the same, with the shaft, opposite to the shaft end, being provided with a head having a larger diameter than the outside diameter of the circumferential ribs, and with an adjacent area of the shaft end being free from circumferential ribs, wherein a bottom (28) of the head (26, 26', 26'') facing the shaft (16, 16', 16'') is planar and an adjacent area (30) to the shaft end (20) has a smaller diameter than an outside diameter (D, D', D'') of the circumferential ribs (18, 18', 18'').
2. A stamped rivet according to claim 1, wherein the adjacent area (30) has a cylindrical section (32, 32', 32'') converging via a conically widening section (34, 34', 34'') in a direction of the head (26, 26', 26'') into an entry rib (22, 22', 22'') which extends circumferentially and has an outside diameter smaller than the outside diameter (D, D', D'') of the circumferential ribs (18, 18', 18'').
3. A stamped rivet according to claim 2, wherein the diameter of the cylindrical section (32, 32', 32'') is smaller than a smallest diameter (d) of the shaft (16, 16', 16'') at circumferential grooves (38, 38', 38''), which are formed between the ribs (18, 18', 18'', 22, 22', 22'', 24, 24', 24'').

4. A stamped rivet according to claim 2 or 3, wherein the cylindrical section (32, 32'') extends in a direction opposite to the head (26, 26'') to the shaft end (20, 20').
5. A stamped rivet according to claim 3 or 4, wherein the cylindrical section (32') converges into a conical point (36) in the direction opposite to the head (26')
6. A stamped rivet according to one of claims 3 through 5, wherein the circumferential ribs (18, 18') have a triangular cross-section.
7. A stamped rivet according to one of claims 3 through 5, wherein the circumferential ribs (18'') have a trapezoidal cross-section.
8. A stamped rivet according to one of claims 3 through 7, wherein the circumferential grooves (38, 38', 38'') formed between the circumferential ribs (18, 18', 18'') have a V-shaped cross-section.
9. A stamped rivet according to one of claims 1 through 8, wherein the head (26, 26', 26'') converges at a bottom (28) thereof into a cylindrical exit rib (24, 24', 24''), which has an outside diameter (D) that is the same as the circumferential ribs (18, 18', 18'').
10. A stamped rivet according to one of claims 1 through 9, wherein the circumferential ribs (18, 18', 18'') are formed in an area adjacent to the bottom (28) of the head (26, 26', 26''), which has an axial length half as long as an overall length of the shaft (16, 16', 16'').

11. A stamped rivet according to claim 10, wherein the overall length of the shaft (16, 16', 16'') exceeds an overall thickness of the metal sheets (12, 14) to be connected three to four fold.